

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE THE APPLICATION OF:

PAPER: 1

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Group Art Unit:

Serial no.

Examiner:

Filed:

For: **METHOD AND APPARATUS
TO MONITOR LOADING
USING VIBRATION**

previously "Systems To Monitor And Accelerate
Electrochemically Induced Fusion Reactions"

This is a continuation of Serial no. 07/ 371,937

Filed: 06/27/89

December 28, 2000

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ABSTRACT OF THE DISCLOSURE

The present invention relates to processes and systems involving loading, such as palladium internally filling ["loading"] with deuterons. The system includes a novel cathode able to vibrate at a natural frequency, means to drive said frequency, and means to monitor said frequency, means to relate frequency changes to changes in the cathodic mass which herald loading. In one configuration said means to vibrate said cathode occurs by an applied external magnetic field intensity.